



I T H



iTreasureHunter

User manual
v1.0

Loop Techno systems

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Parem nagar sultan puri

Delhi 110086

India- 91

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www.igetoutdoor.com

www.goldmetaldetector.in

Metal detector device

Elements and functionalities



LED indication

COLOUR	DEVICE STATUS
GREEN	Device turned ON
BLUE	Device turned ON and wireless connection with iPhone application established
RED	Charging
BLINKING	Device turned ON, battery low

Control button

STATE	ACTION
HOLD >3s	Turns device ON and OFF
PRESS	<ul style="list-style-type: none">• Balances the device• Starts or stops new line scan when operating in 3D ground scan mode

Connectors

CONNECTOR	USED FOR
mini USB	Device charging
jack 3.5 mm	Headphones

Quick start instructions

Start using metal detector device

1. Prepare the metal detector

Open the clip and pull the rod out till you see the stop mark on a stick.

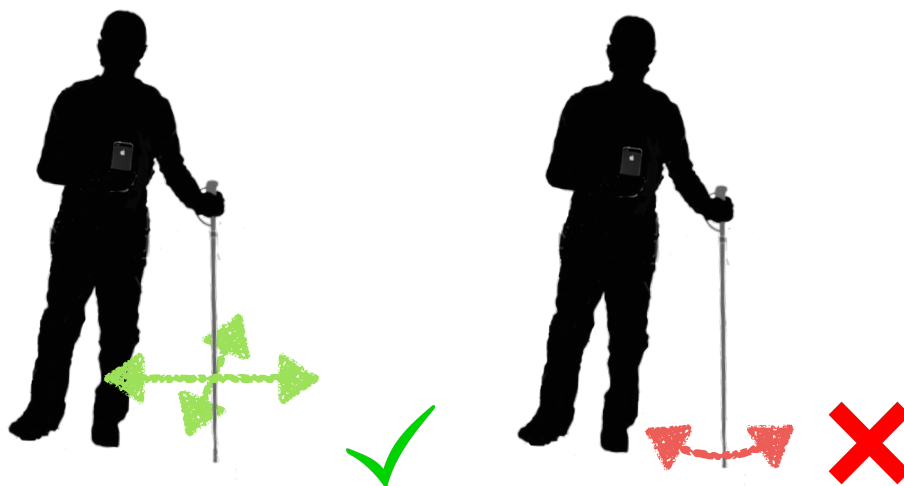
Always pull the rod straight! Rotating the rod may damage detector.



2. Learn how to handle the metal detector during treasure hunting

Hold the detector stick in straight vertical position 10cm above the ground.

Move the detector stick only horizontally and don't swing or rotate it around its vertical axis during metal detecting!



3. Turn device ON

Hold control button (cca. 3 seconds) till the status LED turns GREEN.

4. Start treasure hunting

User can start treasure hunting:

- using only detector device and headphones (page 4) or
- perform object scan using iPhone application (page 5)

5. Turn the metal detector OFF

Turn the metal detector off, by holding control button (cca. 3 seconds) till the status LED on the detector goes OFF

6. After you finish using metal detector

Open the clip and push the rod back.

Always push the rod straight! Rotating the rod may damage the cable.

Detect objects using headphones

1. Turn metal detector ON and connect the headphones

Plug the headphones into audio jack socket located on the handle of the detector device.

2. Balance the detector

Step away from any metallic objects and press control button to balance the detector. The silence will indicate that the detector device was balanced and no objects are detected.

Important:

Due to the high sensitivity of the metal detector device it is very important that user always balances the detector at least 5m away from any metal object in the radius.

3. Start treasure hunting

Detector will indicate the presence of an object by changing the frequency of short audio pulses. Silence indicates the absence of objects while the increasing frequency of audio pulses indicates that more metal is present.

4. Change the volume or sensitivity of metal detector device

The volume and sensitivity can be set using in the iPhone application. These two settings will also be stored into metal detector device and remain also after next metal detector device restart.

Detect objects using iPhone application

1. Installing the iPhone application

iTreasureHunter can be installed from the AppStore.
Direct link to the application can be found at www.igetoutdoor.com.



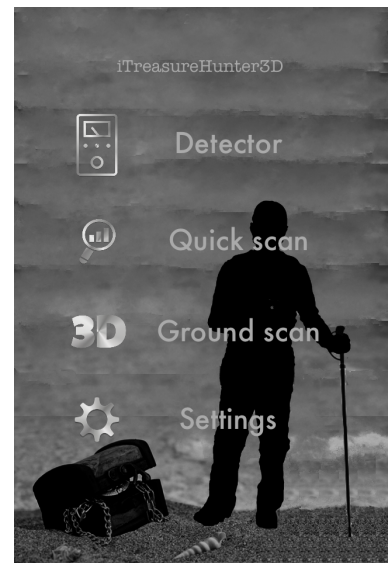
2. Make sure the Bluetooth is ON

To turn Bluetooth on for your iOS 7 device, tap on the device “Settings” icon and then “Bluetooth”. Switch Bluetooth to “On”.

3. Turn metal detector ON & run the application

Main menu of the application allows user to:

- detect the presence of an object (Detector)
- determine the size of an object (Quick scan)
- view the shape or sub-surface view of an object (3D ground scan)
- tune the device by your own needs (Settings)



Start using the Detector feature

1. Balance the detector

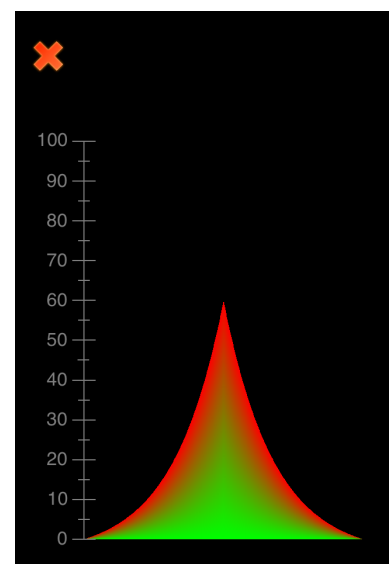
Step away from any metallic objects and press control button to balance the detector.

Important:

Due to the high sensitivity of the metal detector device it is very important that user always balances the detector at least 5m away from any metal object in the radius.

2. Start treasure hunting

Detector feature will visualise the presence of metallic object as a magnitude.



Start using the Quick scan feature

1. Balance the detector

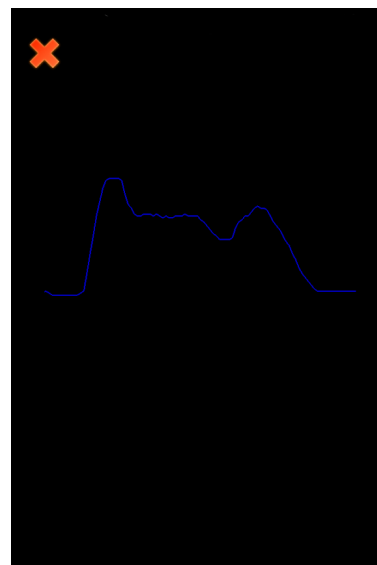
Step away from any metallic objects and press control button to balance the detector.

Important:

Due to the high sensitivity of the metal detector device it is very important that user always balances the detector at least 5m away from any metal object in the radius.

2. Start treasure hunting

Steady move the detector over detected object and observe its 1D signature. This feature will give you an insight into the size of the object.



Start using the 3D ground scan feature

1. Settings

First navigate into Settings page and make sure that your setting are set as follows:

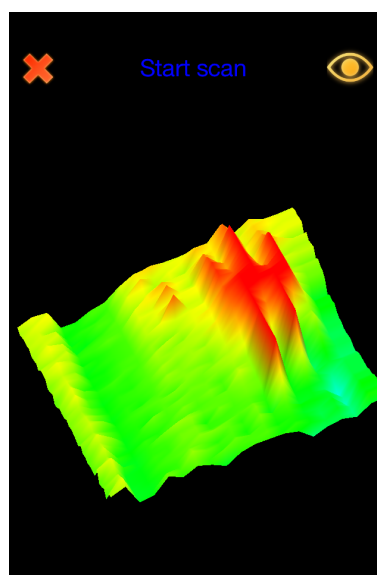
3D mode: Automatic

Scan direction: Zig-zag

Length: 2m

2. Balance the detector before entering 3D ground scan page

Step at least 5m away from any metallic objects and press control button to balance the detector.



Important:

In the 3D ground mode, the control button controls the scan and is therefore not used for balancing. User must balance the detector before entering the 3D ground scan mode!

4. Start scan

Start scan by pressing the control button on the detector or the “Start scan” label on the application screen and move the metal detector device slowly and at constant speed (around 20cm per second) in the scan line direction.

5. Stop scan

Scan will stop automatically after a predefined time period.

6. Move forward to the next line and repeat the scanning pocedure

Repeat point 4. an 5. until you scan the whole required area. After each line scanned step move for a 1/5th of scan length in forward direction.

7. Rotate the view

After user stops scanning the area, the 3D object view can be observed by finger controlled rotating and zooming features.

Settings

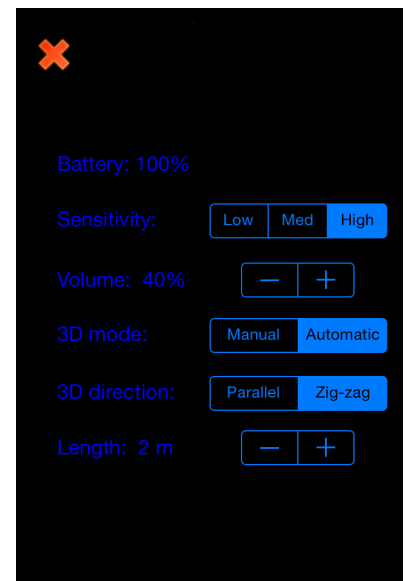
1. Metal detector settings and status

Allows user to:

- check the battery status of the detector device
- set the sensitivity of the detector device
- set the audio volume of the detector device

Sensitivity:

Low sensitivity is more suitable for larger objects or objects that are buried near the surface, while high sensitivity is a better choice for detecting smaller objects or objects that are buried deeper.



2. 3D ground scan settings

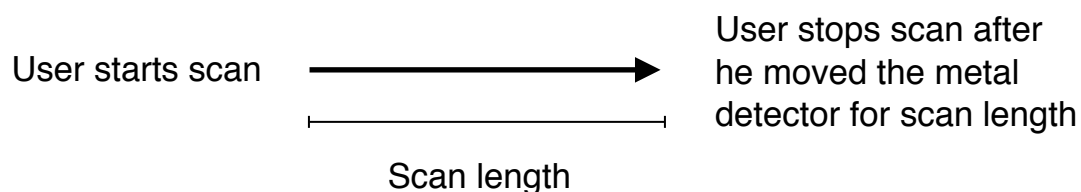
This settings are only used by 3D ground scan.

Length setting defines the length of one scan line.

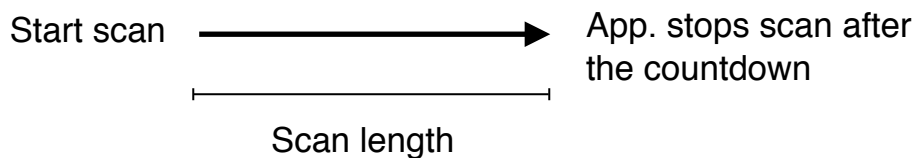
3D scan mode

3D scan mode defines how the scan of a new line is controlled.

In manual mode user is able to start and end stop the scan by pressing on the control button (or no the label in the application).



In automatic mode user only starts the scan by pressing on the control button, while application automatically stops the scan after certain period of time defined by scan length.

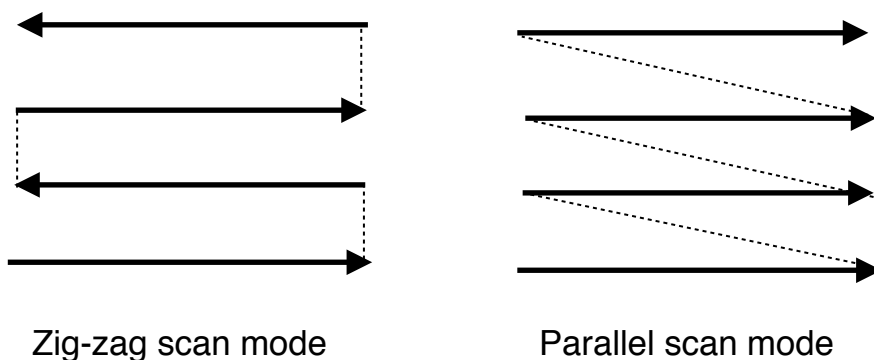


3D direction

Parallel and Zig-zag scan modes define how the metal detector should be moved during scanning procedure.

In zig-zag mode user should start the scan and move detector from right to left direction. User must then start a new scan and move metal detector back to right direction.

In parallel mode user always starts scan on right and ends at left.



Warnings

Any metal detector may discover explosives, underground power lines, sharp objects or other items that could cause personal injury.

The company or the manufacturer of the metal detector device does not accept responsibility for any personal injury or personal property damage

To make your search more secure, please follow this precautions:

- never treasure hunt in a zone where bombs or other explosives may be buried
- never treasure hunt in an area where there might be underground electric lines or pipes buried at a shallow depth
- never treasure hunt in an area with flammable gas or liquid pipelines
- always use reasonable caution in digging, specially in areas where you are uncertain of underground conditions.

Precaution for use

In order to prolong metal detector device life it is important to follow these precautions:

- Do not store your device for long periods with discharged batteries. Ideally you should discharge/recharge the batteries at least once a month, and if possible store them 40 to 70% charged.
- Do not expose your detector to extreme temperatures, particularly inside a car in full sun.
- Use and store the metal detector only in normal temperature environments. Temperature extremes can shorten the life of electronic devices and distort or melt plastic parts.
- The metal detector device is not waterproof. Make sure that you protect it in wet weather.
- Do not use solvents or alcohol to clean the detector. Soapy water is sufficient.
- Handle the metal detector gently and carefully. Dropping it can damage electronic components.
- It is not recommended to use this device for hiking purposes
- avoid strong magnetic fields generated by large magnets, loudspeakers or motors
- use only approved USB chargers

Important notes

This detector is for outdoor use only. To get the best measurements results, avoid objects and magnetic fields that can interfere the metal detector device:

- magnetic fields from power lines or other devices
- objects and devices that are present in the indoor environment
- wearable metallic objects like: cell phones, keys, jewellery, steel toe boots
- environmental trash like: nails, cans, tins, screws or other debris

Metal detector device has no user serviceable parts. Improper opening of the device will damage the unit and void the warranty.

This detector detects best ferrous objects or any other material and structure that is surrounded or located within ferrous materials.

Requirements

- iOS devices with Bluetooth 4.0 (iPhone 4s, iPhone 5, iPhone 5c, iPhone 5s)
- iOS 7 or later
- headphones with 3.5 mm jack plug
- USB charger with USB mini B plug

Technical specifications

- dimensions (H x W x D): 86 - 125cm x 4cm x 7cm
- weight: less than 200g
- operating time: 8h
- material: 90% carbon
- connectors (mini USB, headphone jack 3.5mm)
- data transfer (wireless BT 4.0, range: 10m)
-

What's in the box

- metal detecting stick
- free iPhone application available on AppStore
- mini USB cable
- user manual
- metal detector bag

Treasure hunter's code of ethics

- Respect the rights and property of others. Do not enter private property without the owner's permission.
- Always check Federal, State, County and local laws before searching
- Never destroy historical or archaeological treasures.
- Take care to refill all holes and leave the land and vegetation undamaged
- Always Appreciate and protect our inheritance of natural resources, wildlife and private property.
- Remove and dispose of any and all trash and litter found. Be extremely careful while probing, picking up, or discarding trash items.
- Keep in mind that all treasure hunters may be judged by the example you set

Warranty

1 YEAR LIMITED WARRANTY

The metal detector device is warranted against defects in materials and workmanship under normal use for one year from the date of purchase. Damage due to neglect, accidental damage or misuse of this product is not covered under this warranty. Decisions regarding abuse or misuse of the detector are made solely at the discretion of the manufacturer. Proof of Purchase is required to make a claim under this warranty. Liability under this Warranty is limited to replacing or repairing, at manufacturer choice. Warranty does not cover shipping costs.

According to FCC part 15.21 Changes or Modifications made to this device not expressly approved by the party responsible for compliance could void the users authority to operate this equipment.

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